

WHAT IS CLAIMED IS:

1. A pluggable transceiver module for insertion into a cage, said module comprising:

a front shell;

a housing comprising a forward portion including electrical contacts and a rearward portion, said rearward portion receivable in the cage, said rearward portion including a tab receivable in a module latch on the cage for retention of said rearward portion within the cage, said rearward portion configured to receive an electrical connection proximate an end thereof, said forward portion received in said front shell and said forward portion including a connector interface configured to receive a mating plug connector;

an actuator slidably coupled to said forward portion of said housing and movable from a latched position to a released position, said actuator engaging said module latch to release said housing from the cage when said actuator is moved to said released position; and

a bail member rotatably coupled to said forward portion of said housing, said bail member engaging said actuator to move said actuator between said latched position and said released position as said bail member is rotated between corresponding latched and released positions.

2. The module of claim 1, wherein said housing includes an upper mold and a lower mold, said lower mold holding said electrical contacts.

3. The module of claim 1, wherein said housing includes an upper mold and a lower mold, said lower mold holding a circuit board, said circuit board including performance circuitry for said transceiver.

4. The module of claim 1, further comprising a lower cover coupled to said housing forward portion, said lower cover including a channel sized to receive said actuator for sliding engagement therewith.

5. The module of claim 1, further comprising a lower cover coupled to said housing forward portion, said bail member rotatably coupled to said lower cover.

6. The module of claim 1, wherein said housing includes an upper mold and a lower mold, and said module further comprises a lower cover, said lower cover including a pair of side rails, each said side rail defining at least one hole therein, said lower mold including at least one post on a lower side thereof sized to be received in said at least one hole.

7. The module of claim 1, further comprises a lower cover, said lower cover including a pair of side rails, said front shell including clamping fingers that snappably engage said side rails to join said lower cover to said housing front portion.

8. The module of claim 1, wherein said bail member includes a pivot bar and a cam centrally positioned on said pivot bar, said cam engaging said actuator to move said actuator between said latched position and said released position as said bail member is rotated between corresponding latched and released positions.

9. The module of claim 1, wherein said bail member includes a cross-member and said front shell includes a latch bump on an upper surface thereof, said latch bump engaging said cross-member to hold said bail member in a latched position.

10. The module of claim 1, wherein said interface is an RJ45 interface.

11. The module of claim 1 further comprising a rear shell, said rear shell configured to receive said rearward portion of said housing, said rear shell sized for insertion into the cage.

12. A pluggable transceiver module comprising:

a cage having a module receiving end and an opposite electrical connection end, said cage configured for attachment to a circuit board;

a front shell;

a housing comprising a forward portion including electrical contacts and a rearward portion, said rearward portion received in said cage through said module receiving end, said rearward portion including a tab receivable in a module latch on said cage for retention of said rearward portion therein, said rearward portion configured to receive an electrical connection through said cage electrical connection end, said forward portion received in said front shell and configured to receive a mating plug connector, and wherein said forward portion is larger than said module receiving end of said cage;

an actuator slidably coupled to said forward portion of said housing and movable from a latched position to a released position, said actuator engaging said module latch to release said housing from said cage when said actuator is moved to said released position; and

a bail member rotatably coupled to said forward portion of said housing, said bail member engaging said actuator to move said actuator between said latched position and said released position as said bail member is rotated between corresponding latched and released positions, said bail member having a width that is no greater than a width of said housing.

13. The module of claim 12, wherein said housing includes an upper mold and a lower mold, said lower mold holding said electrical contacts.

14. The module of claim 12, wherein said housing includes an upper mold and a lower mold, said lower mold holding a circuit board, said circuit board including performance circuitry for said transceiver.

15. The module of claim 12, further comprising a lower cover coupled to said housing forward portion, said lower cover including a channel sized to receive said actuator for sliding engagement therewith.

16. The module of claim 12, further comprising a lower cover coupled to said housing forward portion, said bail member rotatably coupled to said lower cover.

17. The module of claim 12, wherein said housing includes an upper mold and a lower mold, and said module further comprises a lower cover, said lower cover including a pair of side rails, each said side rail defining at least one hole therein, said lower mold including at least one post on a lower side thereof sized to be received in said at least one hole.

18. The module of claim 12, further comprises a lower cover, said lower cover including a pair of side rails, said front shell including clamping fingers that snappably engage said side rails to join said lower cover to said housing front portion.

19. The module of claim 12, wherein said bail member includes a pivot bar and a cam centrally positioned on said pivot bar, said cam engaging said actuator to move said actuator between said latched position and said released position as said bail member is rotated between corresponding latched and released positions.

20. A pluggable transceiver module for insertion into a cage, said module comprising:

a front shell;

a housing comprising a forward portion holding electrical contacts and a rearward portion, said rearward portion receivable in the cage, said rearward portion including a tab receivable in a module latch on the cage for retention of said rearward portion within the cage, said rearward portion configured to receive an electrical connection proximate an end thereof, said forward portion received in said front shell and

said forward portion including a connector interface configured to receive a mating plug connector;

a lower cover coupled to said housing, said lower cover including an actuator having laterally extending wings engaging said lower cover for sliding contact therewith, said actuator movable from a latched position to a released position, said actuator engaging said module latch to release said housing from the cage when said actuator is moved to said released position; and

a bail member rotatably coupled to said lower cover, said bail member engaging said actuator to move said actuator between said latched position and said released position as said bail member is rotated between corresponding latched and released positions.

21. The module of claim 20, wherein said housing includes an upper mold and a lower mold, said lower mold holding said electrical contacts and a circuit board, said circuit board including performance circuitry for said transceiver.

22. The module of claim 20 further comprising a rear shell, said rear shell configured to receive said rearward portion of said housing, said rear shell sized for insertion into the cage.